



Module Specification

Airport Management [TSI]

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Part 1: Information

Module title: Airport Management [TSI]

Module code: UFMFHY-12-M

Level: Level 7

For implementation from: 2021-22

UWE credit rating: 12

ECTS credit rating: 6

Faculty: Faculty of Environment & Technology

Department: FET Dept of Engineering Design & Mathematics

Partner institutions: Transport and Telecommunication Institute

Delivery locations: Transport and Telecommunication Institute Latvia

Field: Engineering, Design and Mathematics

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Technical and operational issues of the airport ecosystem will be analysed. Physical characteristics of the airside, landside and curbside will be presented and discussed. As well, operational and management concepts will be studied. Students will be introduced with airport master planning process, content and structure. General introduction of airport certification in Europe and safety management system will be presented.

Features: Not applicable

Educational aims: To give an insight of airport operational, technical and management processes to enable students to participate in management of airport operations and master planning.

Outline syllabus: Definition of the airport as system and regulatory background (ICAO, IATA, EU regulations and national legislation);

Aviation in Latvia;

Airport concepts EU and Worldwide;

Airport standards (ICAO Annex 14);

Introduction of airport infrastructure elements and airport capacity measures;

Planning and operations of airport services;

Connectivity and aviation' role in the economy;

Green airport concept.

Part 3: Teaching and learning methods

Teaching and learning methods: Learning and teaching will be provided to students as lectures and tutorials. During lectures, students are informed about the subjects described in the syllabus. During tutorials, discussion of case studies will take place. Case method teaching immerses students into realistic challenges and help them to analyse airport management issues and at the same time work in groups to apply critical thinking skills.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Interpret and critically assess the contribution of modern airport management concepts, technology, leadership, and system thinking in responding to dynamic changes in the aviation industry

MO2 Apply modern airport management practices and models to address realistic aviation issues drawn from a variety of real-world applications

MO3 Demonstrate inclusive knowledge and understanding of the main international and domestic regulatory enactments relevant to the aviation industry

MO4 Analyse new developments in airport management and their strategic operation and management impacts to secure sustainable development of the industry

MO5 Apply technology and management skills/knowledge to complex problems and situations, and to generate effective recommendations to multidisciplinary problems

MO6 Apply both management and specific aviation concepts, ideas and theories in a variety of contexts such as operation strategy, technology innovation, project management, financial management, and strategic decision making

Hours to be allocated: 120

Contact hours:

Independent study/self-guided study = 112 hours

Face-to-face learning = 48 hours

Total = 160

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/E9821789-4A5D-695C-CDBD-6599CBC4DA4E.html?lang=en-GB&login=1) via the following link <https://rl.talis.com/3/uwe/lists/E9821789-4A5D-695C-CDBD-6599CBC4DA4E.html?lang=en-GB&login=1>

Part 4: Assessment

Assessment strategy: Component A (controlled conditions): Closed-book examination.

Component B consists of two elements

Component B1 : A written assignment of short reports based on case studies.

Component B2: A written report based on the findings of the assignment Component B1

Assessment components:

Examination - Component A (First Sit)

Description: An end of semester Written Exam (2 hours) to assess the student's understanding of the concepts. Students are expected to demonstrate their knowledge of the most important concepts in the area of airport management.

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO3, MO4, MO6

Written Assignment - Component B (First Sit)

Description: Component B1

A controlled element includes mini-reports (250-300 words each) based on the case studies aimed at encouraging students to evaluate the theoretical concepts encountered within the module and apply them to a real-world problem (case study)

Weighting: 10 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Report - Component B (First Sit)

Description: Component B2

A course-work of 1500-2000 words in length.

The referred assignment will be based on the original written tasks (component B) and will use feedback received from the initial submission.

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Examination - Component A (Resit)

Description: Exam (2 hours)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested:

Written Assignment - Component B (Resit)

Description: A written assignment of short reports based on case studies (1500 words)

Weighting: 10 %

Final assessment: No

Group work: No

Learning outcomes tested:

Report - Component B (Resit)

Description: A written report based on the findings of the assignment Component B1 (1500-2000 words)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Aviation Management and Sustainability {Double Degree} [Feb][FT][TSI][2yrs] MSc
2021-22